

IN THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A method of constructing category structures within a database, the method including:

defining in the database a first structure of categories as a first hierarchy of categories to classify a data item, the first structure of categories including at least a first category, the first category comprises a first category path defined in terms of the first structure of categories that are respectively associated with a first plurality of category identifiers;

defining in the database a second structure of categories as an alternative second hierarchy of categories to provide an alternative classification of the data item, the second structure including at least a second category, the second category comprises a second category path defined in terms of the second structure of categories that are respectively associated with a second plurality of category identifiers, the second category is associated with the first category; and

~~defining the first structure of categories as a first hierarchy of categories in the database and defining the second structure of categories as an alternative second hierarchy of categories in the database,~~

~~wherein the second category is associated with the first category, the first category comprises a first category path defined in terms of the first structure of categories and the second category comprises a second category path defined in terms of the second structure of categories, the first category path including a first plurality of categories that are respectively associated with a first plurality of category identifiers, the second category path including a second plurality of categories that are respectively associated with a second plurality of category identifiers~~
defining in the database the second category to point to the first category.

2. (Cancelled)

3. (Previously Presented) The method of claim 1 wherein the first category is a leaf category of the first hierarchy of categories.
4. (Previously Presented) The method of claim 1 wherein the second category is a leaf category of the second hierarchy of categories
5. (Cancelled)
6. (Previously Presented) The method of claim 1 wherein the defining of the second structure includes defining the second hierarchy such that navigation of the second hierarchy to locate data items classified as being attributed to the second category locates data items classified as being attributed to the first category of the first hierarchy.
7. (Cancelled)
8. (Original) The method of claim 1 wherein the data item is directly categorized as being within the first category of the first structure of categories and is indirectly categorized as being within the second category of the second structure of categories.
9. (Original) The method of claim 1 wherein the definition of the first and second structures of categories includes defining a category table including a category record for each category of the first and second structures of categories, each category record within the category table including a category identifier, wherein a category record that describes the second category includes a category identifier of a category record for the first category.
10. (Original) The method of claim 1 wherein the data item is a database record describing any one of a group of products and services of a transaction facilitated by a network-based transaction facility.

11. (Original) The method of claim 1 wherein the network-based transaction facility is a network-based auction facility.

12. (Original) The method of claim 1 including defining a third structure of categories to provide a further alternative classification of the data item, the third structure including at least a third category, wherein the third category is associated with the first category of the first structure of categories.

13. (Canceled)

14. (Currently Amended) A method of classifying a data item within a database, the method including:

identifying a first category, of a first hierarchy of categories, attributed to a data item; and automatically attributing a second category, of a second alternative hierarchy of categories, to the data item,

~~wherein~~ the first and second categories are defined by respective category paths of the first and second hierarchies of categories in the database, the first category path including a first plurality of categories that are respectively associated with a first plurality of category identifiers, the second category path including a second plurality of categories that are respectively associated with a second plurality of category identifiers and the data item is user-classifiable under the first ~~structure~~ hierarchy of categories ~~and is not user-classifiable under the second structure of categories.~~

15. (Original) The method of claim 14 wherein the first and second categories are associated within a description of categories within the database.

16. (Previously Presented) The method of claim 14 wherein the first category is attributed to the data item by a user during a user classification operation and the second category is dynamically attributed to the data item during a user navigation operation of the second hierarchy of categories, wherein the dynamic attributing of the second category is performed by identification of an association between the first and second categories.

17. (Original) The method of claim 14 wherein the first category is directly recorded within the database as being attributed to the data item and the second category is recorded as being linked to the first category within the database.

18. (Previously Presented) The method of claim 14, wherein the first and second categories are each leaf categories of the respective first and second hierarchies of categories.

19. (Canceled)

20. (Currently Amended) A method of facilitating location of a data item within a database, the method including:

facilitating user-navigation of a first category structure to select a first category;
identifying a second category of a second category structure as being linked to the first category of the first category structure, the first and second category structures comprising respective first and second hierarchies of categories in the database;
and

identifying data items of the second category responsive to the selection of the first category of the first category structure,

~~wherein~~ the first and second categories are defined by respective category paths of the first and second hierarchies of categories, the first category path including a first plurality of categories that are respectively associated with a first plurality of category identifiers and the second category path including a second plurality of categories that are respectively associated with a second plurality of category identifiers, ~~wherein the first category structure includes a first hierarchy of~~

~~categories, the second category structure includes a second alternative hierarchy of categories, and the data item is user-classifiable under the first structure of categories and is not user-classifiable under the second category structure of categories.~~

21. (Previously Presented) The method of claim 20 wherein the facilitating of the user navigation comprises presenting at least one user interface to display navigation information according to the first hierarchy of categories.
22. (Original) The method of claim 21 wherein the presenting of the at least one user interface comprises generating at least one markup language document.
23. (Original) The method of claim 22 including providing, within the context of the markup language document, any one of a group of navigation aids including a drop-down menu, a selection of check boxes, a selection of radio buttons, an embedded Java application and an embedded ActiveX control.
24. (Original) The method of claim 20 wherein the identification of the second category comprises accessing a category table including a first record describing the first category, wherein the first record includes a pointer to a second record within the category table describing the second category.
25. (Original) The method of claim 20 wherein the identifying of the data items comprises accessing an items table to identify at least a first record identifying the second category.
26. (Previously Presented) The method of claim 20 wherein the first and second categories comprise respective leaf categories of the first and second hierarchies of categories.
27. (Original) The method of claim 20 including communicating the identified data items within a markup language document transmitted over a network.

28. (Currently Amended) A ~~tangible~~ machine-readable medium storing a sequence of instructions that, when executed by a machine, cause the machine to:

identify a first category, of a first hierarchy of categories, attributed to a data item; and automatically attribute a second category, of a second alternative hierarchy of categories, to the data item,

~~wherein~~ the first and second categories are defined by respective category paths of the first and second hierarchies of categories, the first category path including a first plurality of categories that are respectively associated with a first plurality of category identifiers and the second category path including a second plurality of categories that are respectively associated with a second plurality of category identifiers, and the data item is user-classifiable under the first ~~structure~~ hierarchy of categories ~~and is not user-classifiable under the second structure of categories.~~

29. (Currently Amended) A ~~tangible~~ machine-readable medium storing a sequence of instructions that, when executed by a machine, cause the machine to:

facilitate user-navigation of a first category structure to select a first category; identify a second category of a second category structure as being linked to the first category of the first category structure, the first and second category structures comprising respective first and second hierarchies of categories; and identify data items of the second category responsive to the selection of the first category of the first category structure,

~~wherein~~ the first and second categories are defined by respective category paths of the first and second hierarchies of categories, the first category path including a first plurality of categories that are respectively associated with a first plurality of category identifiers and the second category path including a second plurality of categories that are respectively associated with a second plurality of category identifiers, ~~wherein the first category structure includes a first hierarchy of categories and the second category structure includes a second alternative hierarchy of categories,~~ the data item is ~~user-classifiable under the first structure of categories and is not user-classifiable under the second~~ category-structure of categories.

30. (New) The machine-readable medium of claim 28, wherein the machine-readable medium is selected from a group consisting of solid-state memories, optical disks and magnetic disks.

31. (New) The machine-readable medium of claim 29, wherein the machine-readable medium is selected from a group consisting of solid-state memories, optical disks and magnetic disks.